

**Notice of Allowability**

Application No.

09/810,623

Examiner

Lalita M. Hamilton

Applicant(s)

AYACHE, ELIE

Art Unit

3691

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 11, 2006.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11152006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Lalita M. Hamilton*  
LALITA M. HAMILTON  
PRIMARY EXAMINER, 3691

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Sokohl on November 15, 2006.

The application has been amended as follows:

In claim 1, line 3, after "indicative of", please delete "the" and insert—"a".

In claim 1, line 5, after "indicative of", please delete "the" and insert—"a".

In claim 1, line 8, after "indicative of", please delete "the" and insert—"a".

In claim 1, line 9, after "indicative of", please delete "the" and insert—"a".

In claim 5, line 2, after "indicative of", please delete "the" and insert—"a".

In claim 5, line 4, after "indicative of", please delete "the" and insert—"a".

In claim 6, line 2, after "to price", please delete "the" and insert—"a".

In claim 6, line 6, after "indicative of", please delete "the" and insert—"a".

In claim 6, line 6, after "each of", please delete "the" and insert—"a".

In claim 6, line 9, after "indicative of", please delete "the" and insert—"a".

In claim 6, line 11, after "indicative of", please delete "the".

In claim 6, line 13, after "indicative of", please delete "the" and insert—"a".

In claim 6, line 15, after "indicative of", please delete "the" and insert—"a".

The following is an examiner's statement of reasons for allowance:

Kant teaches a method and corresponding system for financial instrument modeling. The method and system uses specification language to support a user's natural description of the geometry of mathematics of the problem and solution strategies.

Kant does not teach receiving an input indicative of a spot value for each of the plurality of underlying assets within the basket option; receiving an input indicative of a risk free interest rate; receiving an input indicative of diffusion parameters for the option; receiving an input indicative of a desired number of time slices; receiving an input indicative of a maturity date of the option; building a lattice, using said inputs from steps (1)-(5), wherein the lattice is comprised of an elementary cell structure for each of said time slices; and traversing, in a backwards fashion, said lattice in order to calculate the value of the basket option from said maturity date to the present.

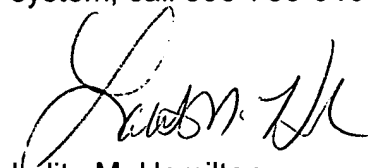
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lalita M. Hamilton whose telephone number is (571) 272-6743. The examiner can normally be reached on Tuesday-Thursday (6:30-2:30).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kalinowski Alexander can be reached on (571) 272-6771. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Lalita M. Hamilton', is written over the printed name.

Lalita M. Hamilton  
Primary Examiner, 3691